

Unit 3: Lesson 2: Estimating Products and Quotients

1. Estimate each product or quotient. Explain why your estimate is an overestimate or an underestimate.

a) 6.23×5 _____

b) 4.8×7 _____

c) 10.678×9 _____

d) $21.73 \div 4$ _____

e) $29.311 \div 3$ _____

f) $97.113 \div 2$ _____

2. a) Shawn and his brothers went to the movie theatre. One ticket cost \$7.75. Estimate the cost of 3 tickets. Show what you did.

b) Shawn paid \$10.75, including tax, for 3 containers of popcorn. Estimate the cost of one container of popcorn, including tax. Show what you did.

3. Estimate the perimeter of a square with each side length below. Tell if your estimate is an overestimate or an underestimate. How do you know?

a) 3.2 cm

b) 3.8 cm

c) 5.4 cm

4. Estimate the side length of a square with each perimeter. Show work.

a) 39.8 cm

b) 58.4 cm

5. It costs \$17.85 per night to camp at Notikewin Provincial Park in Alberta. **About** how much will it cost to camp there for a week? Show your work.

6. a) Is 7.26×4 greater than, or less than, 28? How do you know?

b) Is $41.16 \div 7$ greater than, or less than, 6. How do you know?

7. Describe a situation where you might want to use an overestimate. Explain why.